

L Number	Hits	Search Text	DB	Time stamp
1	1044827	oxidative or oxidizing or non-oxidative or non-oxidizing or oxygen or air	USPAT	2003/01/15 16:52
2	3	("6133491" or "5470384" or "5227026").pn.	USPAT	2003/01/15 16:28
3	3	(oxidative or oxidizing or non-oxidative or non-oxidizing or oxygen or air) and (("6133491" or "5470384" or "5227026").pn.)	USPAT	2003/01/15 16:42
4	3501	(pyrolysis or pyrolyzer or ((cracking or cracked) near5 (thermal or thermally or steam)) or (coking near5 drum)) near15 (air or oxygen or oxidativ\$3 or non-oxydativ\$4 or nonoxidativ\$3 or vacuum)	USPAT	2003/01/15 16:53
5	904788	waste or tire or rubber or petroleum or polymer\$3 or PVC or pyrol\$3 or cracking	USPAT	2003/01/15 16:49
6	3004	((pyrolysis or pyrolyzer or ((cracking or cracked) near5 (thermal or thermally or steam)) or (coking near5 drum)) near15 (air or oxygen or oxidativ\$3 or non-oxydativ\$4 or nonoxidativ\$3 or vacuum)) and (waste or tire or rubber or petroleum or polymer\$3 or PVC or pyrol\$3 or cracking)	USPAT	2003/01/15 16:50
7	40729	208/\$.ccls or 585/\$.ccls. or 202/\$.ccls. or 201/\$.ccls.	USPAT	2003/01/15 16:51
8	538	((pyrolysis or pyrolyzer or ((cracking or cracked) near5 (thermal or thermally or steam)) or (coking near5 drum)) near15 (air or oxygen or oxidativ\$3 or non-oxydativ\$4 or nonoxidativ\$3 or vacuum)) and (waste or tire or rubber or petroleum or polymer\$3 or PVC or pyrol\$3 or cracking)) and (208/\$.ccls or 585/\$.ccls. or 202/\$.ccls. or 201/\$.ccls.)	USPAT	2003/01/15 16:51
9	448	585/240-242.ccls.	USPAT	2003/01/15 16:51
10	78	((pyrolysis or pyrolyzer or ((cracking or cracked) near5 (thermal or thermally or steam)) or (coking near5 drum)) near15 (air or oxygen or oxidativ\$3 or non-oxydativ\$4 or nonoxidativ\$3 or vacuum)) and (waste or tire or rubber or petroleum or polymer\$3 or PVC or pyrol\$3 or cracking)) and (208/\$.ccls or 585/\$.ccls. or 202/\$.ccls. or 201/\$.ccls.) and 585/240-242.ccls.	USPAT	2003/01/15 16:51
11	78	((pyrolysis or pyrolyzer or ((cracking or cracked) near5 (thermal or thermally or steam)) or (coking near5 drum)) near15 (air or oxygen or oxidativ\$3 or non-oxydativ\$4 or nonoxidativ\$3 or vacuum)) and (((pyrolysis or pyrolyzer or ((cracking or cracked) near5 (thermal or thermally or steam)) or (coking near5 drum)) near15 (air or oxygen or oxidativ\$3 or non-oxydativ\$4 or nonoxidativ\$3 or vacuum)) and (waste or tire or rubber or petroleum or polymer\$3 or PVC or pyrol\$3 or cracking)) and (208/\$.ccls or 585/\$.ccls. or 202/\$.ccls. or 201/\$.ccls.) and 585/240-242.ccls.)	USPAT	2003/01/15 16:53
12	2885	(pyrolysis or pyrolyzer or ((cracking or cracked) near5 (thermal or thermally or steam)) or (coking near5 drum)) near9 (air or oxygen or oxidativ\$3 or non-oxydativ\$4 or nonoxidativ\$3 or vacuum)	USPAT	2003/01/15 16:54

13	59	((pyrolysis or pyrolyzer or ((cracking or cracked) near5 (thermal or thermally or steam)) or (coking near5 drum)) near15 (air or oxygen or oxidativ\$3 or non-oxydativ\$4 or nonoxidativ\$3 or vacuum)) and (((pyrolysis or pyrolyzer or ((cracking or cracked) near5 (thermal or thermally or steam)) or (coking near5 drum)) near15 (air or oxygen or oxidativ\$3 or non-oxydativ\$4 or nonoxidativ\$3 or vacuum)) and (waste or tire or rubber or petroleum or polymer\$3 or PVC or pyrol\$3 or cracking)) and (208/\$.ccls or 585/\$.ccls. or 202/\$.ccls. or 201/\$.ccls.)) and 585/240-242.ccls.)) and ((pyrolysis or pyrolyzer or ((cracking or cracked) near5 (thermal or thermally or steam)) or (coking near5 drum)) near9 (air or oxygen or oxidativ\$3 or non-oxydativ\$4 or nonoxidativ\$3 or vacuum))	USPAT	2003/01/15 17:06
14	59710	oxygen-free or non-oxygen\$5 or nonoxidativ\$5 or non-oxidativ\$4 or air-free or (air or oxygen) near4 (deficient or free or absence)	USPAT	2003/01/15 17:10
15	29	((pyrolysis or pyrolyzer or ((cracking or cracked) near5 (thermal or thermally or steam)) or (coking near5 drum)) near15 (air or oxygen or oxidativ\$3 or non-oxydativ\$4 or nonoxidativ\$3 or vacuum)) and (((pyrolysis or pyrolyzer or ((cracking or cracked) near5 (thermal or thermally or steam)) or (coking near5 drum)) near15 (air or oxygen or oxidativ\$3 or non-oxydativ\$4 or nonoxidativ\$3 or vacuum)) and (waste or tire or rubber or petroleum or polymer\$3 or PVC or pyrol\$3 or cracking)) and (208/\$.ccls or 585/\$.ccls. or 202/\$.ccls. or 201/\$.ccls.)) and 585/240-242.ccls.)) and ((pyrolysis or pyrolyzer or ((cracking or cracked) near5 (thermal or thermally or steam)) or (coking near5 drum)) near9 (air or oxygen or oxidativ\$3 or non-oxydativ\$4 or nonoxidativ\$3 or vacuum)) and (oxygen-free or non-oxygen\$5 or nonoxidativ\$5 or non-oxidativ\$4 or air-free or (air or oxygen) near4 (deficient or free or absence))	USPAT	2003/01/15 17:28
16	1	("6133491" or "5470384" or "5227026").pn.) and (oxygen-free or non-oxygen\$5 or nonoxidativ\$5 or non-oxidativ\$4 or air-free or (air or oxygen) near4 (deficient or free or absence))	USPAT	2003/01/15 17:29
17	0	("6133491" or "5470384" or "5227026").pn.) and ((pyrolysis or pyrolyzer or ((cracking or cracked) near5 (thermal or thermally or steam)) or (coking near5 drum)) near9 (air or oxygen or oxidativ\$3 or non-oxydativ\$4 or nonoxidativ\$3 or vacuum))	USPAT	2003/01/15 17:29

18	0	((oxidative or oxidizing or non-oxidative or non-oxidizing or oxygen or air) and ("6133491" or "5470384" or "5227026").pn.)) and ((pyrolysis or pyrolyzer or ((cracking or cracked) near5 (thermal or thermally or steam)) or (coking near5 drum) near15 (air or oxygen or oxidativ\$3 or non-oxydativ\$4 or nonoxidativ\$3 or vacuum))	USPAT	2003/01/15 17:29
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BRS	L1	271	desor\$5 near10 waste
BRS	L2	135037	drum
BRS	L3	18883	extract\$6 near10 (gas or vapor\$5)
BRS	L4	1	1 and 2 and 3
BRS	L5	0	desor\$5 near10 extrac\$5 near10 drum\$3
BRS	L6	2	desor\$5 near20 extrac\$5 near20 drum\$3
BRS	L7	209	desor\$5.ti.
BRS	L8	8714	waste.ti.
BRS	L9	0	7 and 8
BRS	L10	151	(desorbtion or desorption).ti.
BRS	L11	23	3 and 10
BRS	L12	787	gas adj extraction
BRS	L13	0	11 and 12
BRS	L14	0	7 and 12
BRS	L15	0	8 and 10
BRS	L16	787	3 and 12
BRS	L17	0	10 and 16
BRS	L18	18	educt\$3 near6 scrub\$3
BRS	L19	0	16 and 18
BRS	L20	0	7 and 18
BRS	L21	0	1 and 18
BRS	L22	3	2 and 18
BRS	L24	1410	(waste or material or solid or sludge) near12 (first adj temperature)
BRS	L25	647	24 near24 (second adj temperature)
BRS	L26	647	24 and 25
BRS	L27	0	12 and 26
BRS	L28	0	10 and 26
BRS	L29	0	6 and 26
BRS	L31	0	2 and 30
BRS	L32	0	1 and 30
BRS	L33	0	12 and 30
BRS	L34	0	18 and 30
BRS	L35	0	12 and 30
BRS	L36	13643	desorbtion or desorption
BRS	L37	4	30 and 36
BRS	L38	4740	drum near10 seal\$3
BRS	L39	0	37 and 38
BRS	L40	0	30 and 38
BRS	L41	3	26 and 38
BRS	L42	15	ejector near4 venturi near4 scrubber
BRS	L43	0	26 and 42
BRS	L44	0	24 and 42
BRS	L45	0	18 and 42
BRS	L46	0	1 and 42
BRS	L47	0	3 and 42

BRS	L48	4	2 and 42
BRS	L49	54715	(gas or vapor) near6 (entrained or particulate or particle)
BRS	L51	0	18 and 42
BRS	L52	24	49 and 50
BRS	L53	5	3 and 52
BRS	L54	0	36 and 53
BRS	L55	2	36 and 52
BRS	L57	8314	(separation or separated or separate or separating) near6 (particle or solid)
			near6 (gas or gaseous or vapor)
BRS	L58	6	50 and 57
BRS	L59	24	25 and 57
BRS	L60	0	58 and 59
BRS	L61	0	53 and 59
BRS	L62	3160	drum near4 (sealed or sealing or seal or seals)
BRS	L63	0	59 and 62
BRS	L64	0	53 and 62
BRS	L65	0	50 and 62
BRS	L66	3	41 and 62
BRS	L67	49	drums near12 desor\$5
BRS	L68	4	62 and 67
BRS	L69	80994	plunger
BRS	L70	0	1 and 68
BRS	L71	0	68 and 69
BRS	L72	1	1 and 69
BRS	L73	0	1 and 12
BRS	L74	8	1 and "149"
BRS	L75	58	1 and 49
BRS	L76	11	57 and 75
BRS	L77	0	69 and 76
BRS	L78	0	67 and 76
BRS	L79	0	16 and 75
BRS	L80	1	62 and 76
BRS	L30	17	3 and 26
BRS	L81	50	4 or 22 or 37 or 41 or 48 or 53 or 55 or 58 or 66 or 68 or 80 or 72 or 74 or 76
BRS	L82	117364	(two or three or four) near4 stage
BRS	L83	37778	multi-stage or multistage or (multi adj stage) or (multipl\$4 adj stage)
BRS	L84	15396	82 and 83
BRS	L85	139746	82 or 83
BRS	L86	10	81 and 85
BRS	L87	4	67 and 81
BRS	L88	12	86 or 87
BRS	L89	4	62 and 88
BRS	L90	4	69 and 81
BRS	L91	10	81 and 85

BRS	L94	2	87 and 92
BRS	L93	8	92 not 87
BRS	L95	18	50 and 81
BRS	L96	544139	screw or conveyor
BRS	L97	5	95 and 96
BRS	L98	118507	208/\$.ccls. or 585/\$.ccls. or 202/\$.ccls. or 201/\$.ccls. or 196/\$.ccls. or 422/\$.ccls.
BRS	L99	11	81 and 98
BRS	L92	10	91 not 90
BRS	L100	0	67 near12 85
BRS	L101	197	85 near20 desor\$5
BRS	L102	177	85 near10 desor\$5
BRS	L103	2	81 and 102
BRS	L104	24	81 and (hydrocarbon or gasoline)
BRS	L105	0	103 and 104
BRS	L106	7	85 and 104
BRS	L107	862	non-oxidative
BRS	L108	0	106 and 107
BRS	L109	0	81 and 107
BRS	L110	198	((multiple or 2-stage or 3-stage or 4-stage or multistage or multi-stage or (two or three or four) adj stage)) near5 desor\$5
BRS	L111	2	81 and 110
BRS	L112	2	67 and 110
BRS	L113	197	101 or 102
BRS	L114	100	110 and 113
BRS	L115	0	107 and 114
BRS	L116	19552	(first or second) near4 drum
BRS	L117	0	114 and 116
BRS	L118	0	110 and 116
BRS	L119	1252	85 and 116
BRS	L120	0	12 and 119
BRS	L121	0	67 and 119
BRS	L122	91	62 and 119
BRS	L123	0	113 and 122
BRS	L124	0	110 and 122
BRS	L125	0	107 and 122
BRS	L126	16	49 and 122
BRS	L127	90	98 and 119
BRS	L128	0	104 and 127
BRS	L129	90	85 and 127
BRS	L130	0	104 and 129
BRS	L131	62	129 and (hydrocarbon or gasoline)
BRS	L132	13	3 and 131
BRS	L133	13	116 and 132
BRS	L134	0	26 and 133

BRS	L135	0	26 and 131
BRS	L136	1	26 and 110
BRS	L137	8	67 and 85 and 98
BRS	L50	33	18 or 42
BRS	L138	0	26 and 137
BRS	L139	697	(volatiliz\$6 or vaporiz\$6 or gasif\$6) near12 drum
BRS	L140	2	26 and 139
BRS	L141	0	50 and 139
BRS	L142	152	98 and 139
BRS	L144	0	81 and 143
BRS	L145	0	1 and 143
BRS	L143	24	3 and 142
BRS	L146	48963	(destruct\$5 near6 distillat\$6) or (thermal\$ near5 decompos\$) or pyrol\$5
BRS	L147	5	143 and 146
BRS	L148	38709	rotary and (retort or kiln or drum)
BRS	L149	17	1 and 148
BRS	L150	5	139 and 149
BRS	L151	5	1 and 150
BRS	L152	31	("4306961" or "5269906" or "4990237" or "4412909" or "4280879" or "4139462" or "4306283" or "4276301" or "4738206" or "4778606" or "5245570" or "5417492" or "5292429" or "5250175" or "5178007" or "5078836" or "4872954" or "5523060" or "4695448" or "6290916" or "5656178" or "5464468" or "4977839" or "5704557" or "6112675" or "5728361" or "6139806" or "5382002" or "5227026" or "5381361" or "5961870").pn.
BRS	L153	10	139 and 152
BRS	L154	7	57 and 153
BRS	L155	4	116 and 154
BRS	L156	0	85 and 155
BRS	L157	0	82 and 155
BRS	L158	1	82 and 153
BRS	L159	6	3 and 152
BRS	L160	1898	first adj drum
BRS	L161	2	152 and 160

BRS	L1	0	(2-stage or 3-stage or 4-stage or multi-stage) adj desor\$5	USPAT	2002/06/11 21:25
BRS	L2	10	(two-stage or three-stage or four-stage or multistage) adj desor\$5	USPAT	2002/06/11 21:28
BRS	L3	152706	waste	USPAT	2002/06/11 21:29
BRS	L4	1	2 and 3	USPAT	2002/06/11 21:29
BRS	L5	20135	(two or three or four or multiple or multiplicity or first or second) near2 drum	USPAT	2002/06/11 21:34
BRS	L6	863	multiple near2 drum	USPAT	2002/06/11 21:35
BRS	L7	20567	5 or 6	USPAT	2002/06/11 21:35
BRS	L8	2221	3 and 7	USPAT	2002/06/11 21:35
BRS	L9	45604	pyrol\$3 or (solid near3 waste) or ((recover\$4 or produc\$3) near4 hydrocarbon)	USPAT	2002/06/11 21:38
BRS	L10	481	7 and 9	USPAT	2002/06/11 21:38
BRS	L11	1902	first adj drum	USPAT	2002/06/11 21:39
BRS	L12	13189	first near3 drum	USPAT	2002/06/11 21:39
BRS	L13	56	10 and 11	USPAT	2002/06/11 21:39
BRS	L14	241	10 and 12	USPAT	2002/06/11 21:40
BRS	L16	120790	(gas or vapor or gaseous) near5 (recovered or recover or recovering or exit or exits or exited or product or products or collect or collected or leaving or leaves or effluent)	USPAT	2002/06/11 21:48
BRS	L17	120	14 and 16	USPAT	2002/06/11 21:48
BRS	L18	152708	208/\$.ccls. or 110/\$.ccls. or 48/\$.ccls. or 201/\$.ccls. or 202/\$.ccls. or 422/\$.ccls. or 585/\$.ccls.	USPAT	2002/06/11 21:49
BRS	L19	64	17 and 18	USPAT	2002/06/11 21:57
BRS	L20	372788	seling or seled or seal	USPAT	2002/06/11 21:58
BRS	L21	309665	sealing	USPAT	2002/06/11 21:58
BRS	L22	341906	sealed	USPAT	2002/06/11 21:58
BRS	L23	603146	20 or 21 or 22	USPAT	2002/06/11 21:59
BRS	L24	15	19 and 23	USPAT	2002/06/11 22:20
BRS	L25	1987	second adj drum	USPAT	2002/06/11 22:21
BRS	L26	4	24 and 25	USPAT	2002/06/11 22:49
BRS	L27	15	19 and 25	USPAT	2002/06/11 22:30
BRS	L28	11	27 not 26	USPAT	2002/06/11 22:30
BRS	L29	1	5170726.pn.	USPAT	2002/06/11 22:49

Art Unit: 1764

BRS	L1	41854	(first) near2 temperature
BRS	L2	35324	second near2 temperature
BRS	L3	21345	1 and 2
BRS	L4	19137	desor\$5
BRS	L5	586	3 and 4
BRS	L6	169668	(gas or vapor or vapour or gaseous) near5 (overhead or produc\$4 or hydrocarbon)
BRS	L7	310	6 and 5
BRS	L8	692	second near3 (desor\$4)
BRS	L9	65	7 and 8
BRS	L10	443	585/240-242.ccls.
BRS	L11	20	3 and 10
BRS	L12	0	4 and 11
BRS	L13	0	9 and 10
BRS	L14	291	desorbtion
BRS	L15	13499	desorption
BRS	L16	13674	14 or 15
BRS	L17	6	10 and 16
BRS	L18	229802	melting
BRS	L19	70889	cracking

Art Unit: 1764

BRS	L20	15017	18 and 19
BRS	L21	41	10 and 20
BRS	L22	5	3 and 21
BRS	L23	262	yildirim.xp.
BRS	L24	38	10 and 23
BRS	L25	1	5470385.pn.
BRS	L26	1	5470384.pn.
BRS	L27	2	3 and 24
BRS	L28	6769	(heating or heated) near6 1
BRS	L29	4112	3 and 28
BRS	L30	10	11 and 29
BRS	L31	1020	(two-stage or 2-stage or multi-stage or multistage or 3-stage three-stage or second) near3 desor\$5
BRS	L32	130	3 and 31
BRS	L33	130	5 and 32
BRS	L34	81	7 and 33
BRS	L35	65	9 and 34
BRS	L36	59	16 and 35
BRS	L37	11	28 and 36
BRS	L38	0	11 and 37

Art Unit: 1764

BRS L39 0 10 and 33

BRS L40 0 10 and 31

BRS L41 0 5 and 10

BRS L42 8 4 and 10